

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Andre PICCA, et al. ) RE: Preliminary Amendment  
                                  )  
Serial No.: Not yet assigned )  
                                  ) Our Ref: B-4379 619291-0  
Filed: Concurrently herewith )  
                                  )  
For: "MESSAGE BROKER"       ) Date: November 8, 2001

Commissioner of Patents and Trademarks  
Box New Patent Application  
Washington, D.C., 20231

Sir:

Prior to examination of the above-identified application, it is respectfully requested that the following amendments be made to the Claims:

IN THE CLAIMS

Please replace original Claims 3-7, 9, 11, 14, 17-18, and 20 with amended Claims 3-7, 9, 11, 14, 17-18, and 20, which are set forth below. (Appendix A, which is enclosed herewith, shows how original Claims 3-7, 9, 11, 14, 17-18, and 20 were amended to produce amended Claims 3-7, 9, 11, 14, 17-18, and 20.)

3. (Amended) A message broker according to claim 1 wherein, when a message is placed in the channel, the second channel adapter is operable to generate a response comprising at least the content information.

4. (Amended) A message broker according to claim 1 wherein the second channel adapter is operable to generate a response encoded in an Internet protocol format.

5. (Amended) A message broker according to claim 1 wherein the first channel adapter and the second channel adapter are each implemented by a servlet.

6. (Amended) A message broker according to claim 1 comprising an address information store wherein channel information corresponding to at least one of the destination information and source information is stored.

7. (Amended) A message broker according to claim 1 comprising a bi-directional communication link, the message broker comprising two message channels, each channel comprising a first channel adapter and a second channel adapter, such that the message broker is operable to transmit messages from the first client to the second client system using one of the channels and from the second client system to the first client system using the other of said channels.

9. (Amended) A message broker according to claim 1 wherein the message and the request are encoded in HTTP format.

11. (Amended) A message broker according to claim 9 wherein the message request comprises a HTTP GET request.

14. (Amended) A client system provided with a transmission module according to claim 12 and a firewall, wherein the message is permitted to pass the firewall.

17. (Amended) A receiver module according to claim 15, wherein where the response comprises a message, the receiver module is operable to generate an output comprising the content information.

18. (Amended) A client system comprising a receiver module according to claim 15 and a firewall, wherein the message request and the response are permitted to pass the firewall.

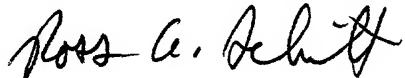
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20. (Amended) A communication system comprising a message broker according to claim 1 further including at least one client system.

REMARKS

This Preliminary Amendment also amends Claims 3-7, 9, 11, 14, 17-18, and 20 so that these claims are no longer multiply dependent in order to reduce official fees. The Applicants may elect to amend Claims 3-7, 9, 11, 14, 17-18, and 20 to make them again multiply dependent or to add additional claims to this application to provide coverage similar to, broader than, or narrower than the present claims at any time during the pendency of the above-identified U.S. application.

Respectfully submitted,



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Enclosure: Appendix A (2 pages)

Appendix A

(VERSION WITH MARKINGS TO SHOW CHANGES MADE)

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3. (Amended) A message broker according to claim 1 [or 2] wherein, when a message is placed in the channel, the second channel adapter is operable to generate a response comprising at least the content information.
4. (Amended) A message broker according to [any one of the preceding claims]claim 1 wherein the second channel adapter is operable to generate a response encoded in an Internet protocol format.
5. (Amended) A message broker according to [any one of the preceding claims]claim 1 wherein the first channel adapter and the second channel adapter are each implemented by a servlet.
6. (Amended) A message broker according to [any one of the preceding claims]claim 1 comprising an address information store wherein channel information corresponding to at least one of the destination information and source information is stored.
7. (Amended) A message broker according to [any one of the preceding claims]claim 1 comprising a bi-directional communication link, the message broker comprising two message channels, each channel comprising a first channel adapter and a second channel adapter, such that the message broker is operable to transmit messages from the first client to the second client system using one of the channels and from the second client system to the first client system using the other of said channels.

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Appendix A

(VERSION WITH MARKINGS TO SHOW CHANGES MADE)

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9. (Amended) A message broker according to [any one of the preceding claims]claim 1 wherein the message and the request are encoded in HTTP format.

11. (Amended) A message broker according to claim 9 [or 10] wherein the message request comprises a HTTP GET request.

14. (Amended) A client system provided with a transmission module according to claim 12 [or claim 13] and a firewall, wherein the message is permitted to pass the firewall.

17. (Amended) A receiver module according to claim 15 [or claim 16], wherein where the response comprises a message, the receiver module is operable to generate an output comprising the content information.

18. (Amended) A client system comprising a receiver module according to [any one of claims 15 to 17]claim 15 and a firewall, wherein the message request and the response are permitted to pass the firewall.

20. (Amended) A communication system comprising a message broker according to [any one of] claim[s] 1 [to 8 and at least one of a client system according to claim 13 or claim 14 and a client system according to claim 18 or claim 19]further including at least one client system.